

Release notes for ENDF/B Development n-044_Ru_098
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=4431, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=4431, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      231 TO      288
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=4431, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=4431, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      231
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4431, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      290
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      439
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      472
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      499
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      515
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 524

8. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4431~~, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 529

9. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4431~~, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 543

10. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4431~~, MF= 3, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 32
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 554

11. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4431~~, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 561

12. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4431~~, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 577

13. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4431~~, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 591

14. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4431~~, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 605

15. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4431~~, MF= 3, MT= 55 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 55 | RECORD NUMBER | 619 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 56 | RECORD NUMBER | 632 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 57 | RECORD NUMBER | 644 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 58 | RECORD NUMBER | 656 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 59 | RECORD NUMBER | 667 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 60 | RECORD NUMBER | 678 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 61 | RECORD NUMBER | 689 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 62 | RECORD NUMBER | 699 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 63 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 63 | | |
| | SECTION 3/ 63 NOT IN DIRECTORY | RECORD NUMBER | 709 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT= 91 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4431, MF= 3, MT= 91 | | |
| | SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER | 719 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT=102 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4431, MF= 3, MT=102 | | |
| | SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER | 728 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT=103 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4431, MF= 3, MT=103 | | |
| | SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER | 750 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT=104 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4431, MF= 3, MT=104 | | |
| | SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER | 765 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT=105 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4431, MF= 3, MT=105 | | |
| | SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER | 777 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT=106 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4431, MF= 3, MT=106 | | |
| | SECTION 3/106 NOT IN DIRECTORY | RECORD NUMBER | 787 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT=107 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4431, MF= 3, MT=107 | | |
| | SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER | 799 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 3, MT=111 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4431, MF= 3, MT=111 | | |
| SECTION 3/111 NOT IN DIRECTORY | RECORD NUMBER | 815 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 2 (0): Directory (b)
- | | | |
|--|---------------|-----|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 2 | | |
| SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER | 827 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 16 | | |
| SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER | 1009 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 17 | | |
| SECTION 4/ 17 NOT IN DIRECTORY | RECORD NUMBER | 1020 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 22 | | |
| SECTION 4/ 22 NOT IN DIRECTORY | RECORD NUMBER | 1031 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 28 | | |
| SECTION 4/ 28 NOT IN DIRECTORY | RECORD NUMBER | 1042 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 32 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 32 | | |
| SECTION 4/ 32 NOT IN DIRECTORY | RECORD NUMBER | 1053 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 51 | | |
| SECTION 4/ 51 NOT IN DIRECTORY | RECORD NUMBER | 1064 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 52 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 52 | RECORD NUMBER | 1181 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 53 | RECORD NUMBER | 1204 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 54 | RECORD NUMBER | 1227 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 55 | RECORD NUMBER | 1250 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 56 | RECORD NUMBER | 1273 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 57 | RECORD NUMBER | 1296 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 58 | RECORD NUMBER | 1319 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 59 | RECORD NUMBER | 1342 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 60 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 60 | RECORD NUMBER | 1365 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 61 | RECORD NUMBER | 1388 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 62 | RECORD NUMBER | 1411 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 63 | RECORD NUMBER | 1434 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 4, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 4, MT= 91 | RECORD NUMBER | 1457 |
| SECTION 4/ 91 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 5, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 5, MT= 16 | RECORD NUMBER | 1481 |
| SECTION 5/ 16 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 5, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 5, MT= 17 | RECORD NUMBER | 1528 |
| SECTION 5/ 17 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 5, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4431, MF= 5, MT= 22 | RECORD NUMBER | 1544 |
| SECTION 5/ 22 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 5, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 1749

56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 5, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 5, MT= 32
SECTION 5/ 32 NOT IN DIRECTORY RECORD NUMBER 1837

57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4431, MF= 5, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=4431, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 1871

- recent Warnings:

1. Fission widths given for non-fissile nucleus, but are zero
0: Fission?

```
Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
=====
Retrieval Criteria----- MAT
File 2 Minimum Cross Section- 1.0000E-10 (Standard Option)
Reactions with No Background- Output (Resonance Contribution)
... [323 more lines]
```

- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.97%

2. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.13%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 15: n[multiplicity:'2'] + Ru97 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10215230.74195862 eV vs -1.02321e7 eV!

2. Calculated and tabulated Q values disagree.
reaction label 16: n[multiplicity:'3'] + Ru96 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -18326728.16714478 eV vs -1.83032e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 17: n + H1 + Tc97 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8325019.110366821 eV vs -8295640. eV!

4. Calculated and tabulated Q values disagree.
reaction label 18: $n + H2 + Tc96$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15574623.76098633 eV vs -1.54646e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 19: $Ru99 + \gamma$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 7432137.737487793 eV vs 7465190. eV!

6. Calculated and tabulated Q values disagree.
reaction label 20: $n + He4 + Mo94$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -2271363.26222229 eV vs -2.2356e6 eV!

7. Calculated and tabulated Q values disagree.
reaction label 21: $H1[multiplicity:'2'] + Mo97$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7222338.189285278 eV vs -7192680. eV!

8. Calculated and tabulated Q values disagree.
reaction label 22: $H1 + Tc98_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1046037.969223022 eV vs -1009540. eV!

9. Calculated and tabulated Q values disagree.
reaction label 23: $H2 + Tc97_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6100453.009429932 eV vs -5985520. eV!

10. Calculated and tabulated Q values disagree.
reaction label 24: $H3 + Tc96_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9317390.820373535 eV vs -9279460. eV!

11. Calculated and tabulated Q values disagree.
reaction label 25: $He3 + Mo96_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6325558.130966187 eV vs -6286940. eV!

12. Calculated and tabulated Q values disagree.
reaction label 26: $He4 + Mo95_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 5097738.064971924 eV vs 5.1403e6 eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPE/conver (0)

- message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided
2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided
3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided
4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided
5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 32
only mf4/mf5 provided
6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided